

Notice of Allowability

Application No.

10/578,799

Examiner

Marina Fishman

Applicant(s)

FUZETTI ET AL.

Art Unit

2832

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/23/2007.
2. ☒ The allowed claim(s) is/are 2-8.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 20080102.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Helen Odar Wolstoncroft on 01/02/2008.

The application has been amended as follows:

CLAIMS

1. Canceled.
2. A switchable electrical interconnection of greater than 30A current capacity comprising:
an electrically insulating housing having a first electrical conductor secured therein and
an apertured chamber for receiving a second electrical conductor;
wherein the chamber contains:
 - (a) a resiliently-biased support plate having an aperture that is alignable with the chamber aperture for receiving the second electrical conductor;
 - (b) an electrically-insulating cable holder having first and second interconnecting channels therein for receiving said first and second electrical conductors respectively, and being arranged to receive the support plate slidably mounted therewithin: and

(c) a switching member that is movable between ON and OFF positions in which electrical contact is made and broken respectively between the first and second electrical conductors;

wherein the support plate is movable by an external force from a first position, against its resilient biasing, so as to slide within the cable holder to a stop position therewith such that further movement causes both the support plate and the cable support to move within the insulating housing thereby substantially to bring into alignment the apertures of the support plate and the housing to permit introduction of the second electrical conductor into the second channel of the cable holder within the housing;

wherein removal of the external force allows the support plate to move back to a second position, under the action of the resilient biasing, thereby to retain the second conductor within the second channel of the cable support; and

wherein the switching member is movable between its OFF position in which the cable holder is retained spaced apart from the first electrical conductor, and its ON position in which the support plate and the cable holder are moved, under the restoring force of the resilient biasing, to a third position in which the second channel of the cable holder encompasses the second electrical conductor, thereby effecting electrical connection between the first and second electrical conductors.

3. The switchable electrical interconnection according to claim 2, wherein the cable holder and the switching member

(a) are mounted on a common support shaft, about which the switching member is rotatable, and

(b) interengage with one another by a cam arrangement, thereby to make and break electrical contact between the first and second electrical conductors.

4. The switchable electrical interconnection according to claim 3, wherein the cam arrangement comprises a cam that is mounted externally on the switching member and that engages within an aperture of the cable holder.

5. The switchable electrical interconnection according to claim 2, comprising a plurality of said chambers.

6. The switchable electrical interconnection according to claim 2, comprising a plurality of first electrical conductors and wherein each cable holder comprises a corresponding plurality of second channels.

7. The switchable electrical interconnection according to claim 2, comprising means for connecting an electrical power supply cable to the or each first electrical conductor.

8. The switchable electrical interconnection according to claim 2, wherein the or each first electrical conductor comprises an elongate busbar.

DRAWINGS

2. The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

Page 2/8 – Fig. 2e. has been deleted;

Page 3/8 - Fig. 2e. has been deleted, page 3/8;

Page 3/8 – “Fig 2e(Cont).” has been renamed to - Fig 2e-;

Page 3/8 - Fig. 2f(Cont). has been deleted.

3. In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

SPECIFICATION

4. On page 5, in the section Under Brief description of the Drawings [0024] "Figure 2 is an exploded view" has been changed to --Figures 2a – 2f are exploded views --.

REASONS FOR ALLOWANCE

5. Claims 2 - 8 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach or suggest, in combination with the claimed elements, a switchable electrical interconnection having a resiliently-biased support plate with aperture for receiving a second electrical conductor which introduced to a second channel of a cable holder within a housing, when the support plate is moved by an external force from a first position to a stop position; and removal of the external force allows the support plate to move back to a second position, thereby to retain the second conductor within the second channel of the cable support; and "wherein the switching member is movable between its OFF position in which the cable holder is retained spaced apart from the first electrical conductor, and its ON position in which the support plate and the cable holder are moved, under the restoring force of the resilient biasing, to a third position in which the second channel of the cable holder encompasses the second electrical conductor, thereby effecting electrical connection between the first and second electrical conductors."

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marina Fishman whose telephone number is 571-272-1991. The examiner can normally be reached on 7-5 M-T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Marina Fishman
January 2, 2008


ELVIN ENAD
SUPERVISORY PATENT EXAMINER
04 JAN 08